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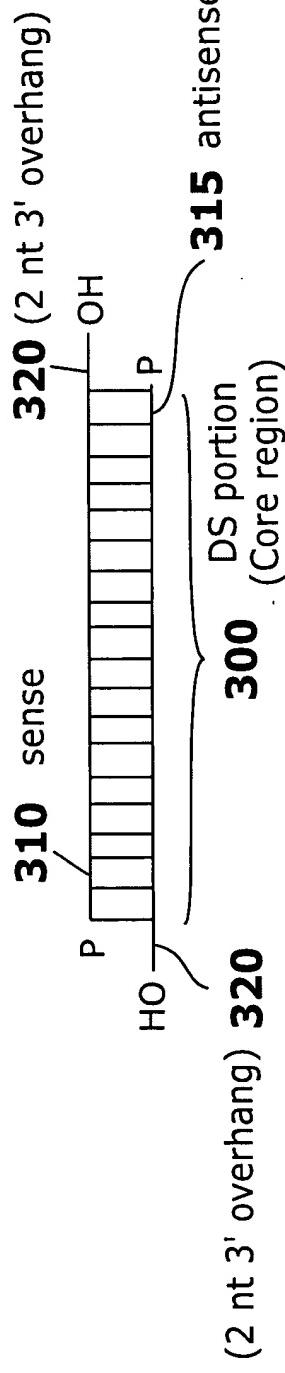


FIG. 1

### RNAi IN DROSOPHILA

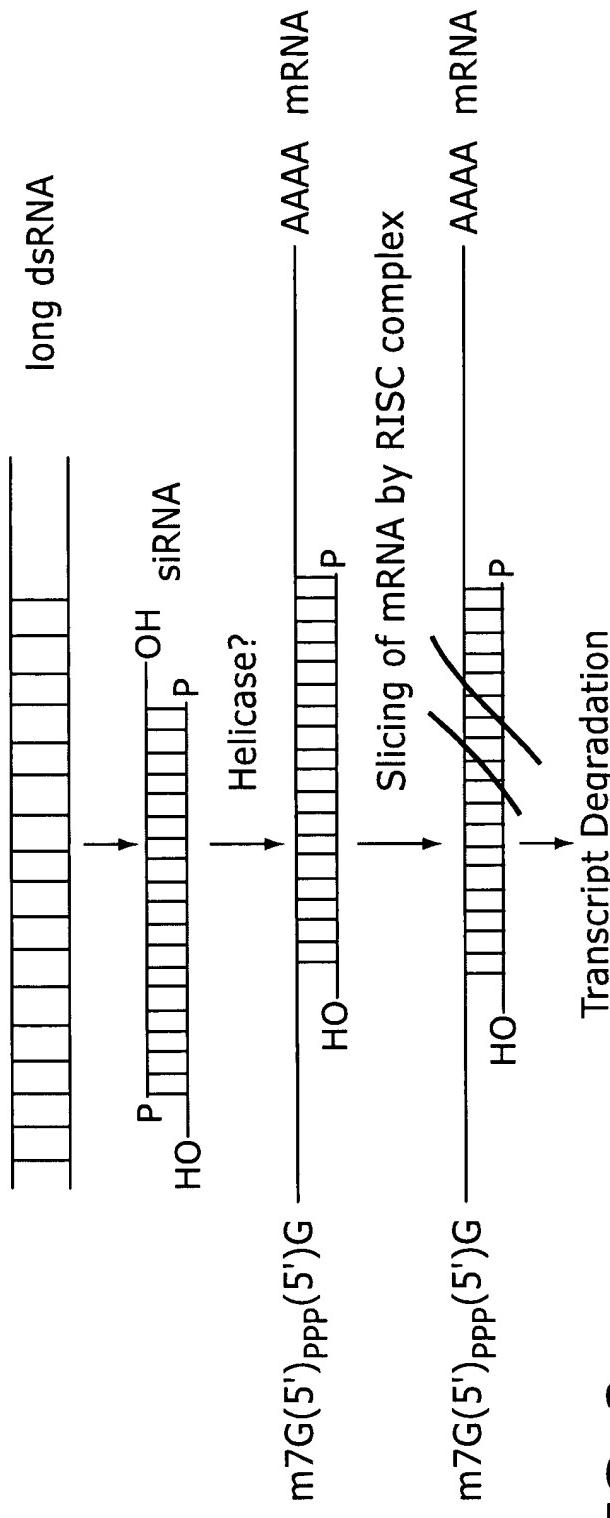


FIG. 2

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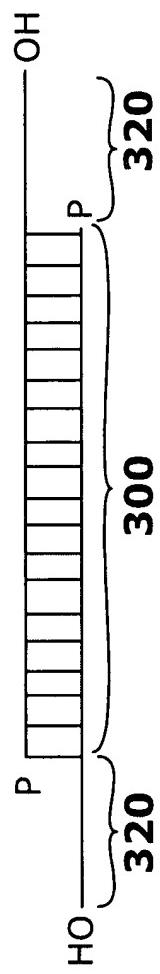


FIG. 3A

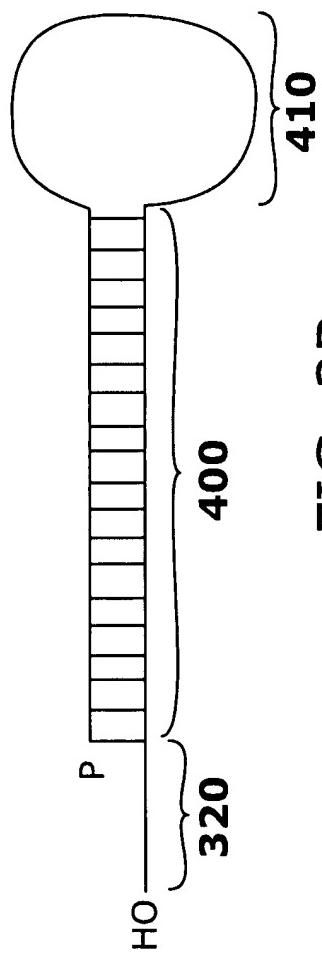


FIG. 3B

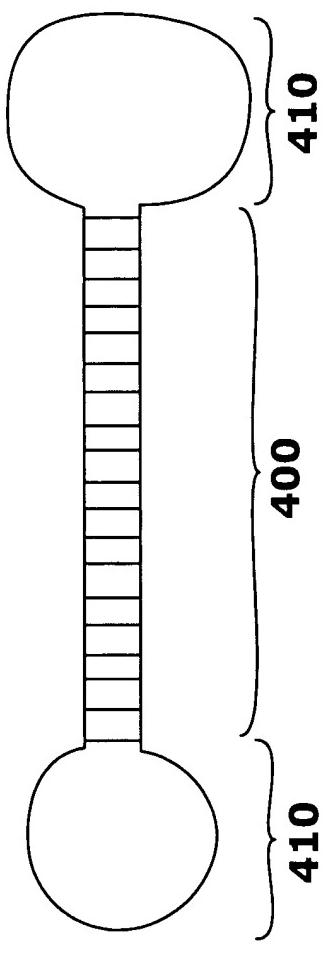


FIG. 3C

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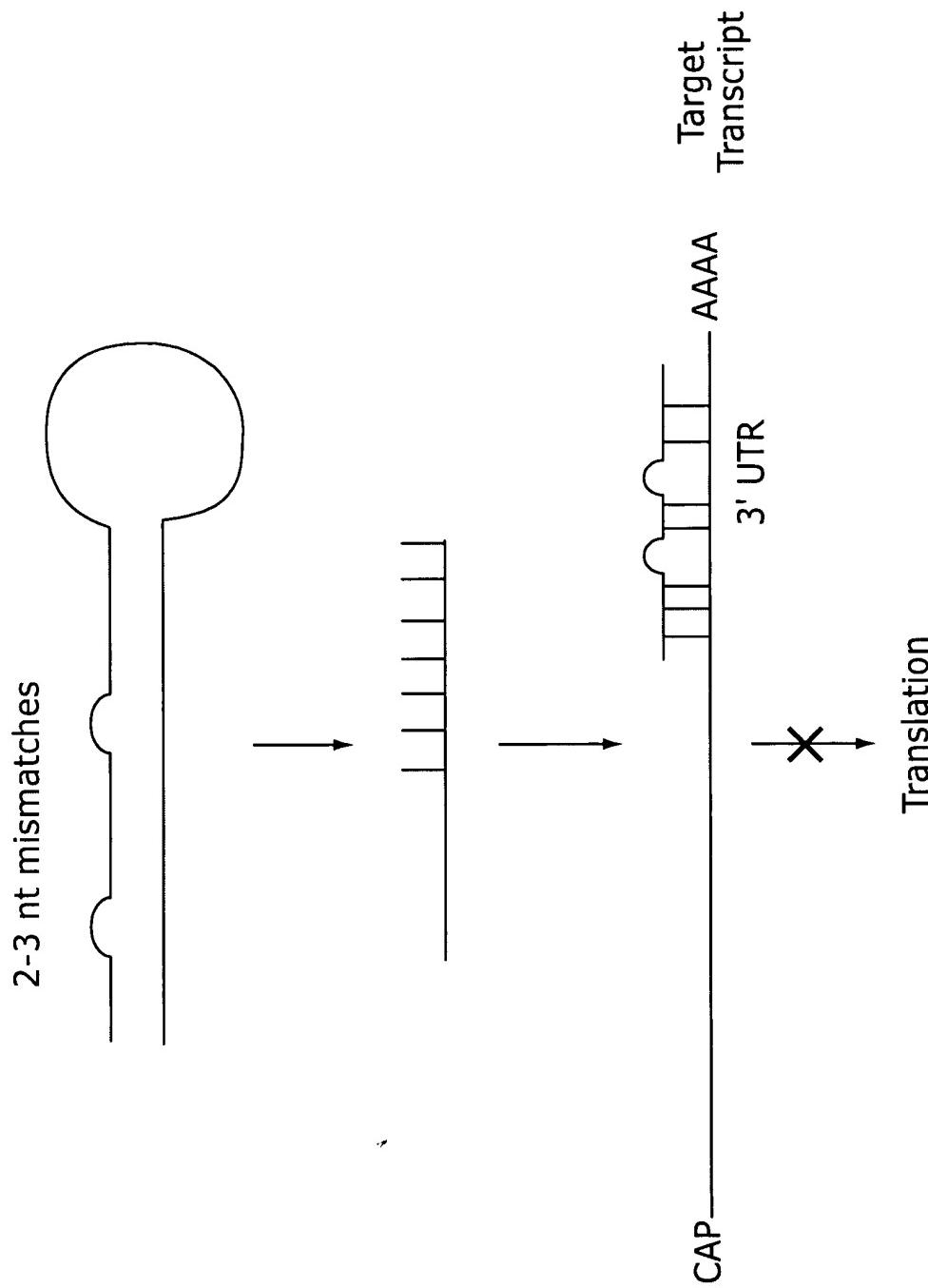


FIG. 4

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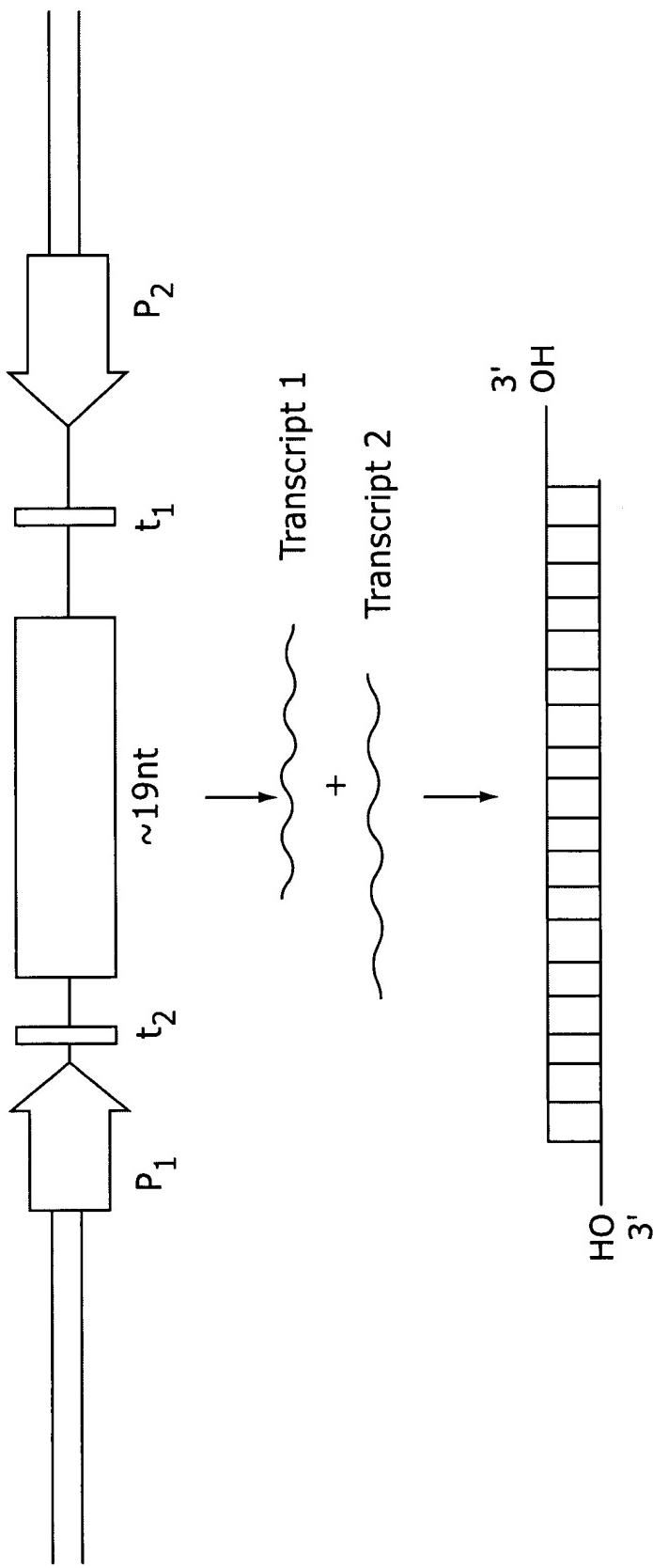


FIG. 5

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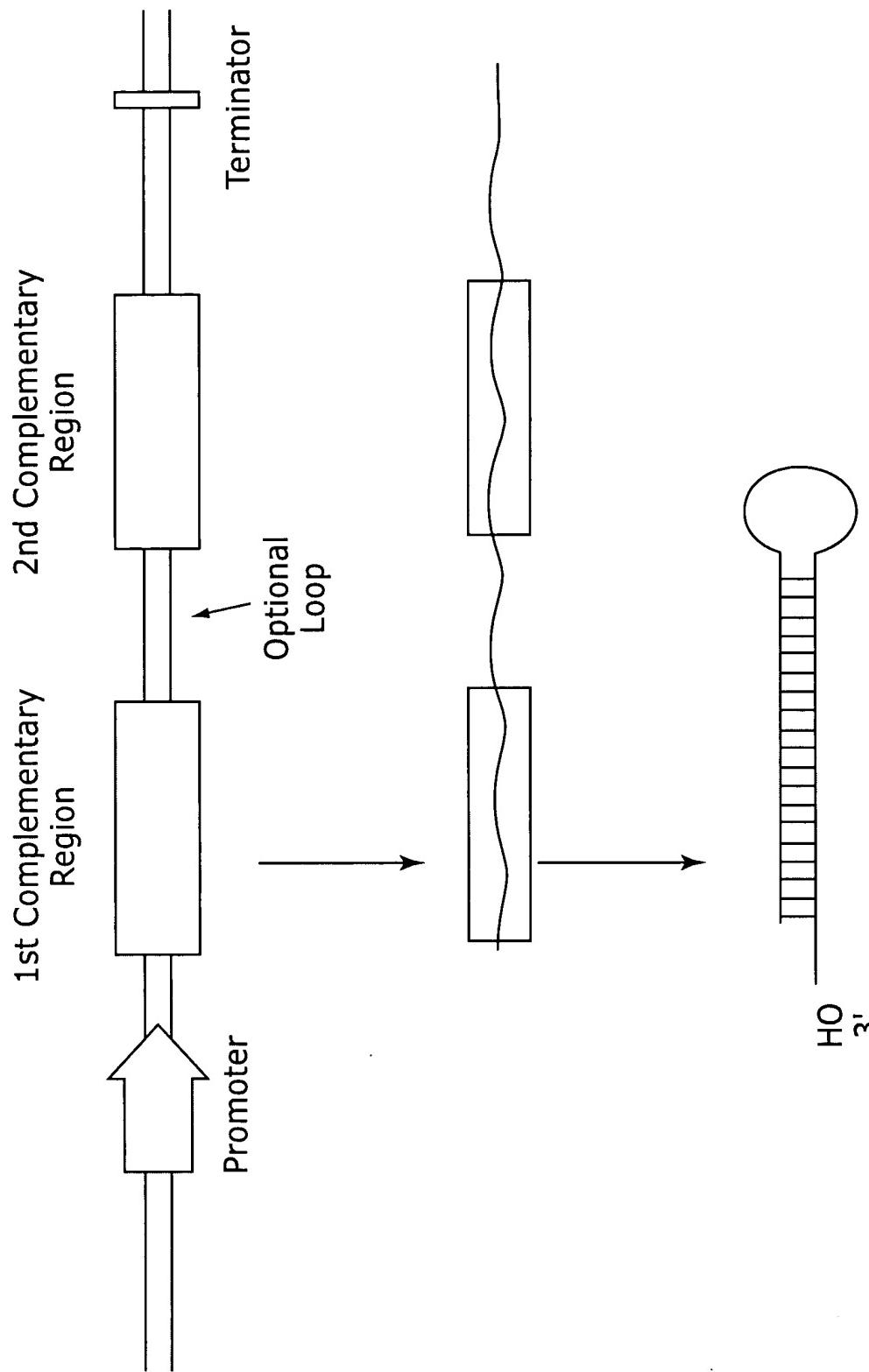


FIG. 6

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<b>NP-1496</b>	ggauuuuuuuuuucuuucggagg <u>dtdt</u> <u>dtdtccuagaa<u>aa</u>agg<u>aa</u>gccc</u>	SEQ ID NO: 3 SEQ ID NO: 4
<b>NP-1496H</b>	cggg <u>u</u> ggauuuuuuuuu <u>cuu</u> ucggagg <u>g cag</u> <u>gucc<u>cc</u>uagaa<u>aa</u>agg<u>aa</u>gccc</u> <u>u</u> <u>u</u>	SEQ ID NO: 28
<b>GFP-949</b>	ugcgcuccuggacguagcc <u>dtdt</u> <u>dtdtacgg<u>gg</u>acc<u>gg</u>cau<u>cg</u></u>	SEQ ID NO: 2 SEQ ID NO: 1
<b>GFP-949H</b>	cggg <u>u</u> ug <u>gc</u> gcuccuggacguagcc <u>g cag</u> <u>gucc<u>cc</u>acgc<u>gg</u>agg<u>gg</u>acc<u>gg</u>cau<u>cg</u>g<u>u</u><u>u</u></u>	SEQ ID NO: 29

**FIG. 7A**

<b>NP-1496H</b>	cggg <u>u</u> ggauuuuuuu <u>cuu</u> ucggagg <u>g cag</u> <u>gucc<u>cc</u>uagaa<u>aa</u>agg<u>aa</u>gccc</u> <u>u</u> <u>u</u>	SEQ ID NO: 30
<b>GFP-949H</b>	cggg <u>u</u> ug <u>gc</u> gcuccuggacguagcc <u>g cag</u> <u>gucc<u>cc</u>acgc<u>gg</u>agg<u>gg</u>acc<u>gg</u>cau<u>cg</u>g<u>u</u><u>u</u></u>	SEQ ID NO: 31

**FIG. 7B**

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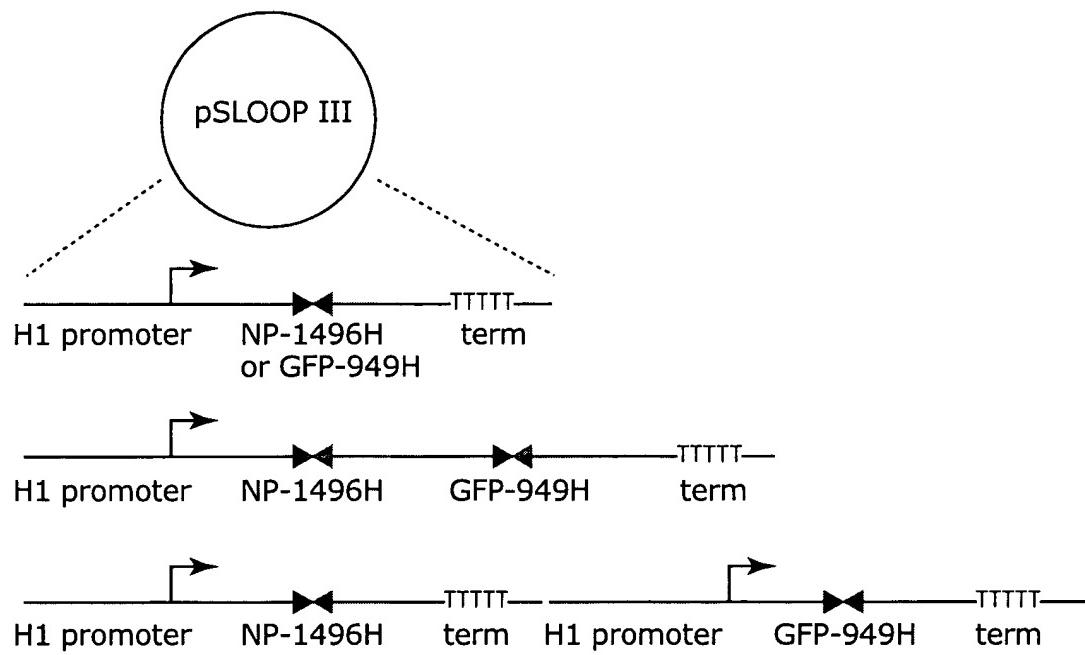


FIG. 7C

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siRNA prevents influenza virus production in mice

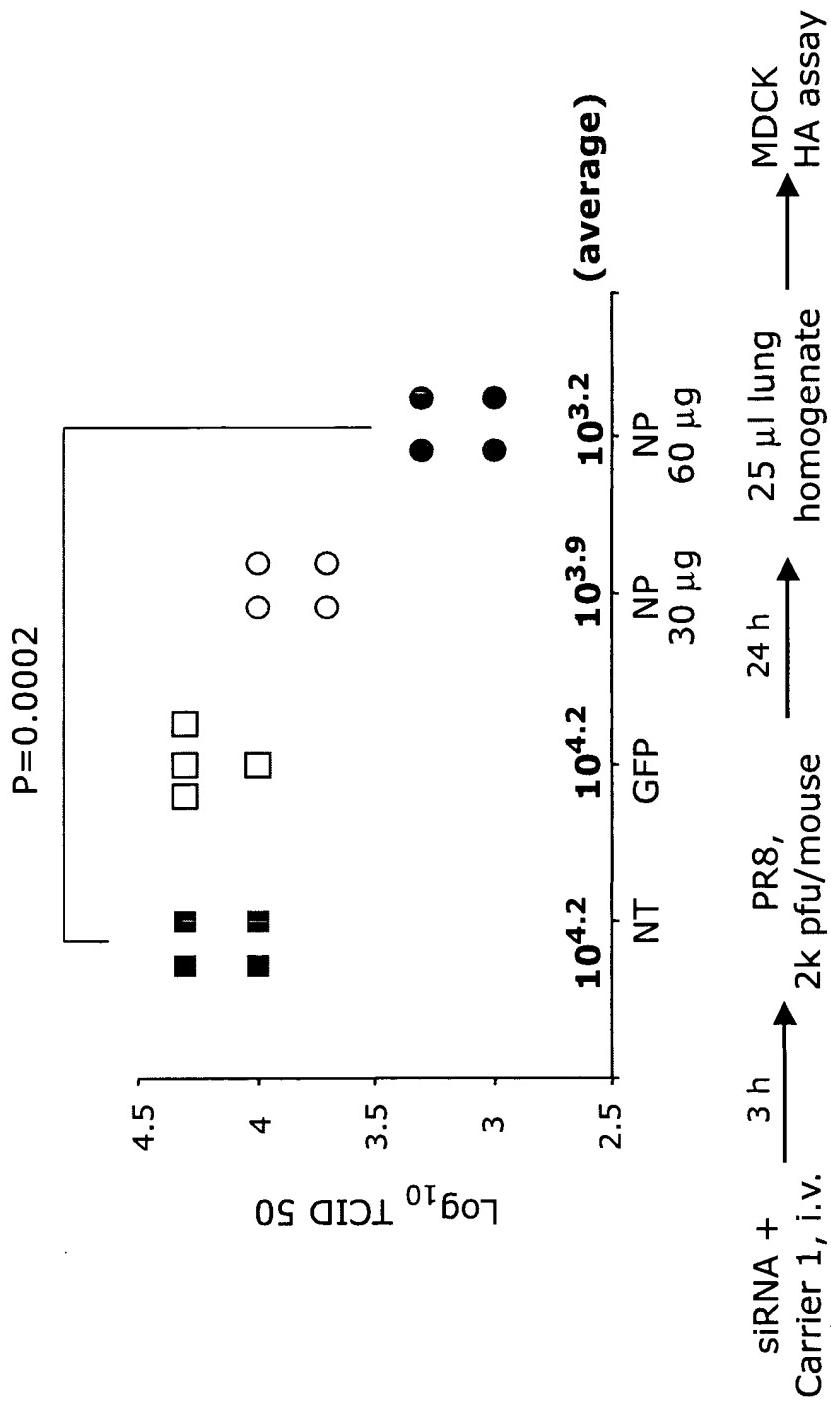


FIG. 8A

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The *in vivo* transfection effect of Poly-L-Lysine (42k)

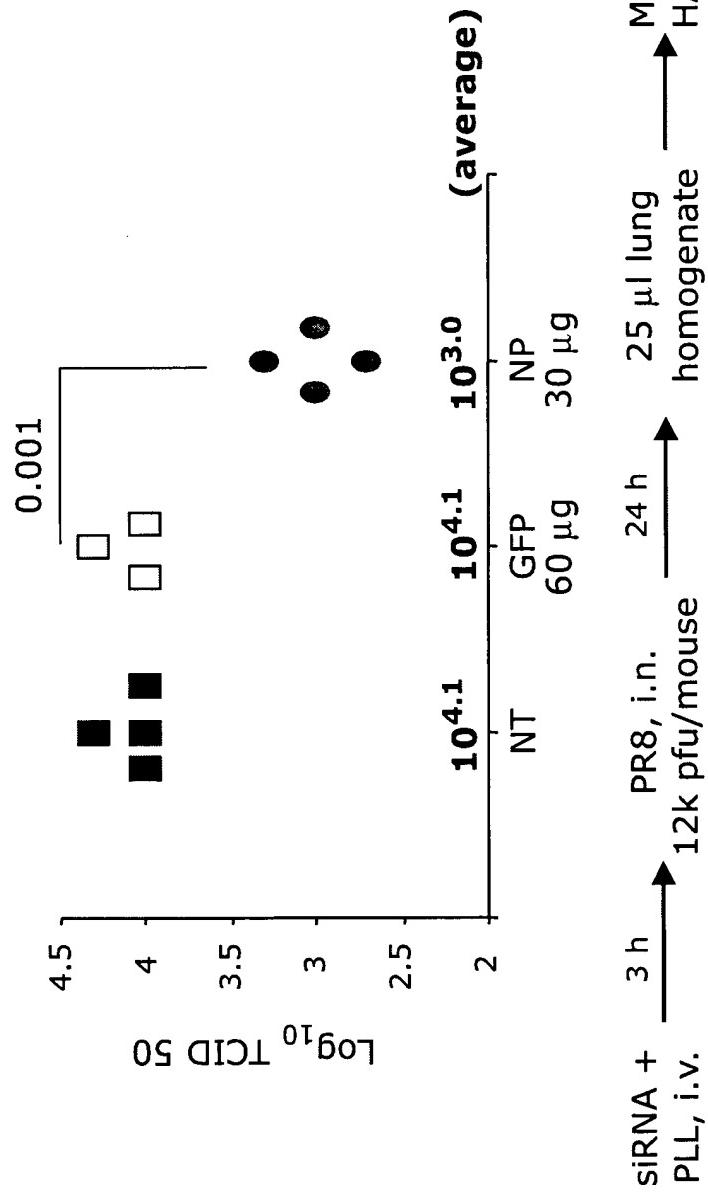


FIG. 8B

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siRNA prevents influenza virus production in vivo

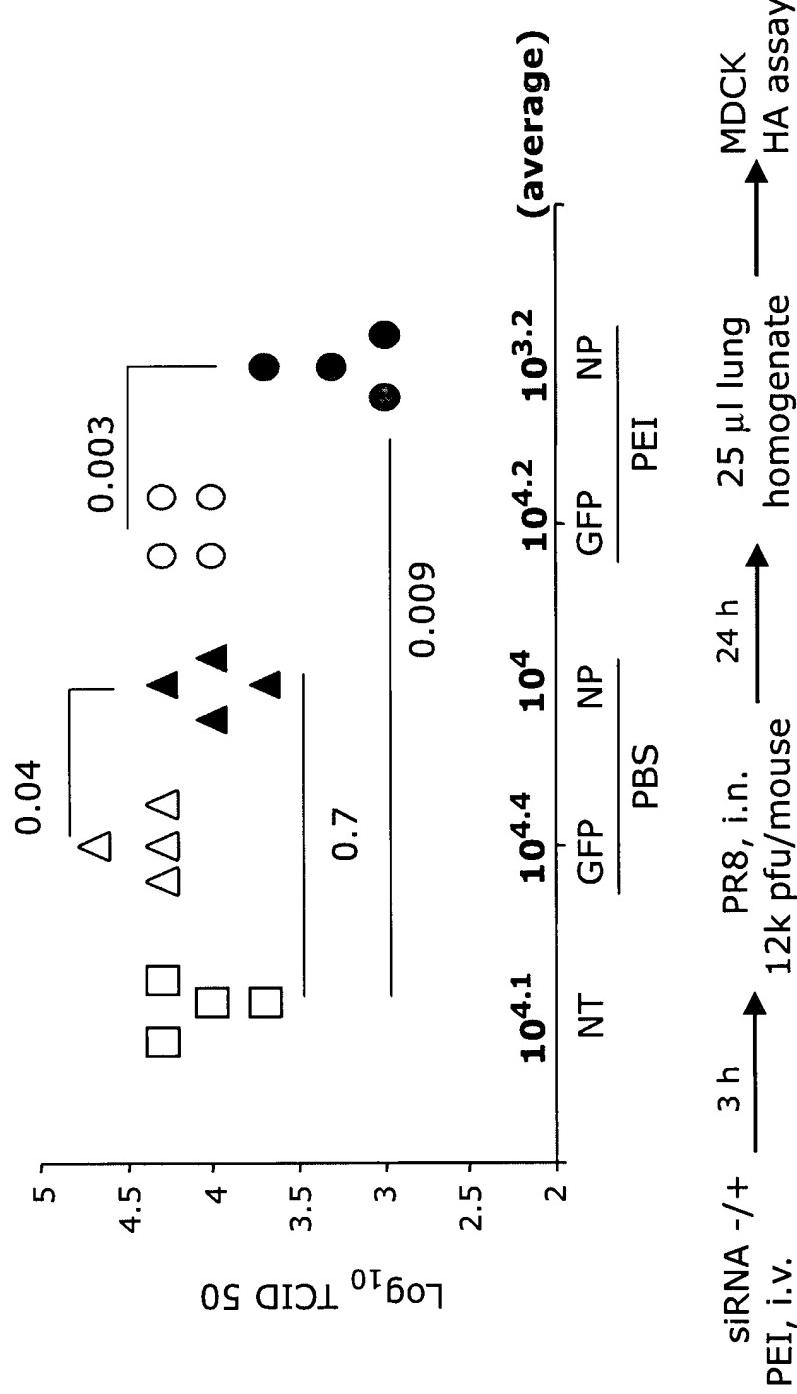


FIG. 8C

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Additive/synergistic effect of siRNA against influenza virus in mice

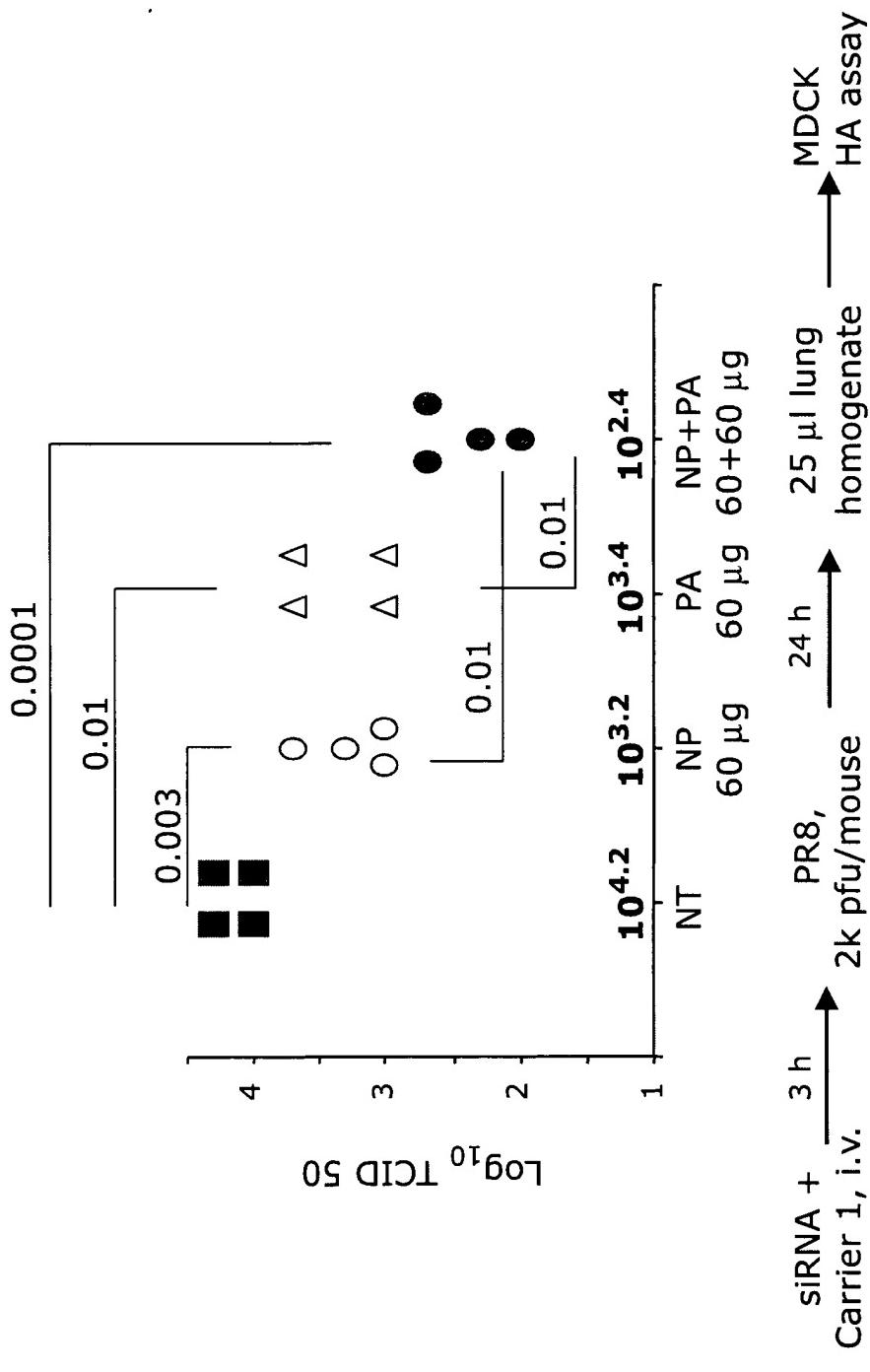


FIG. 9

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siRNA inhibits influenza virus production in infected mice

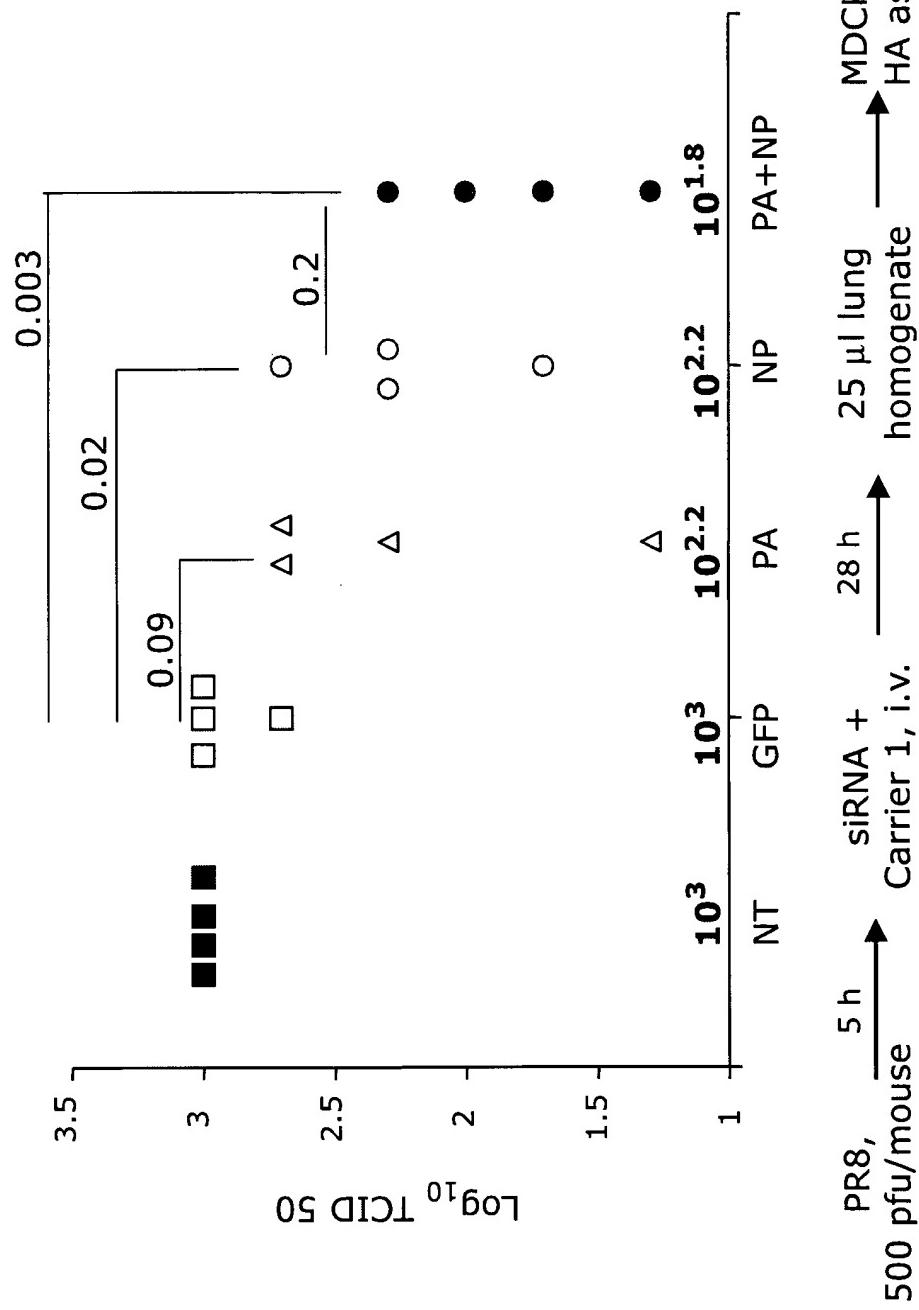


FIG. 10

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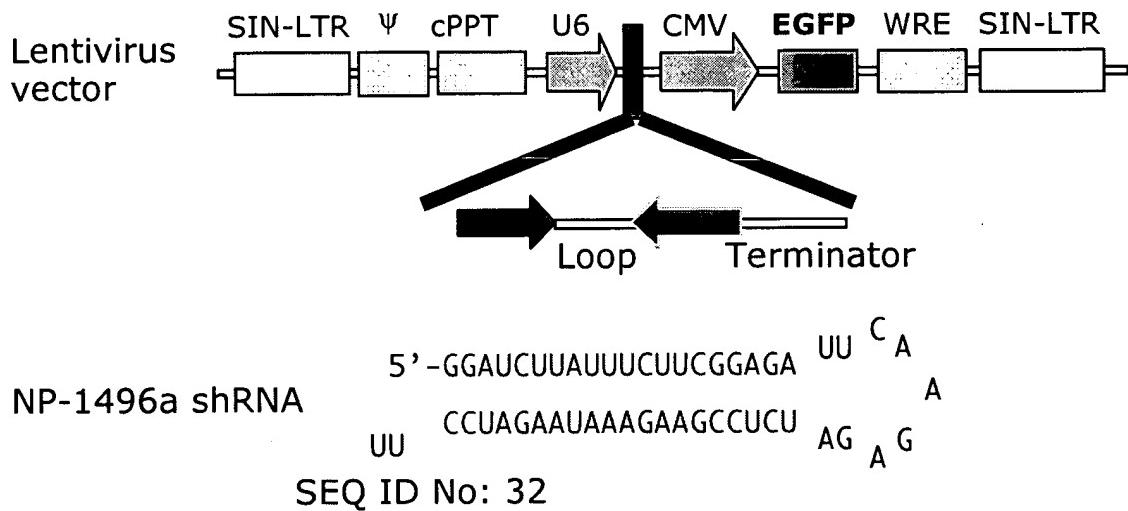


FIG. 11A

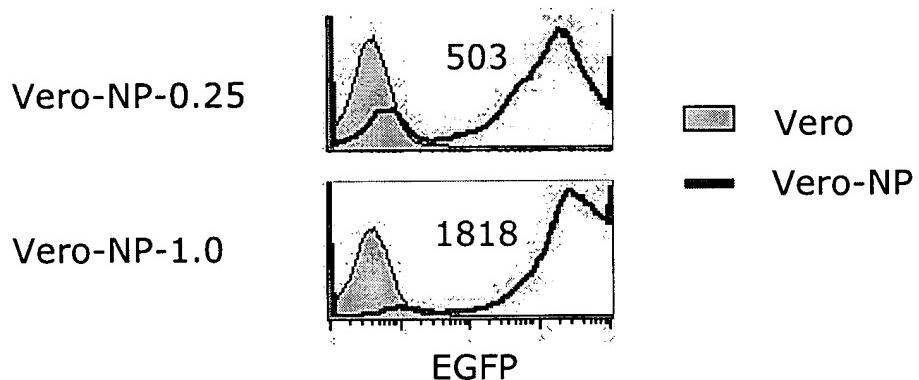


FIG. 11B

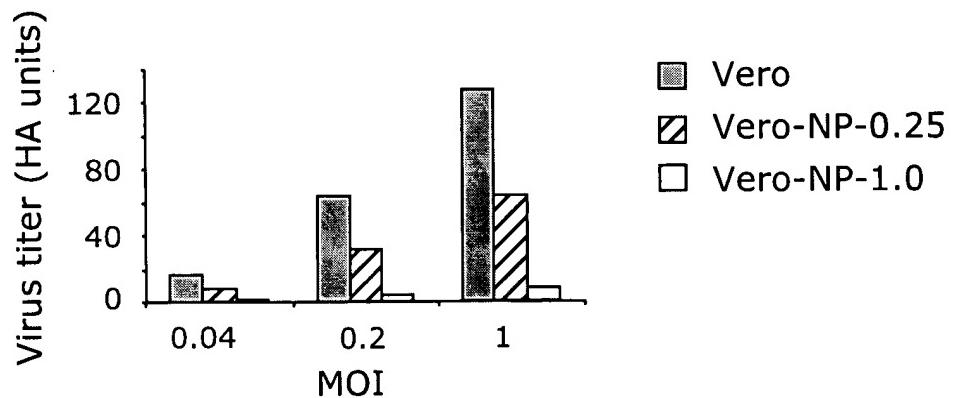


FIG. 11C

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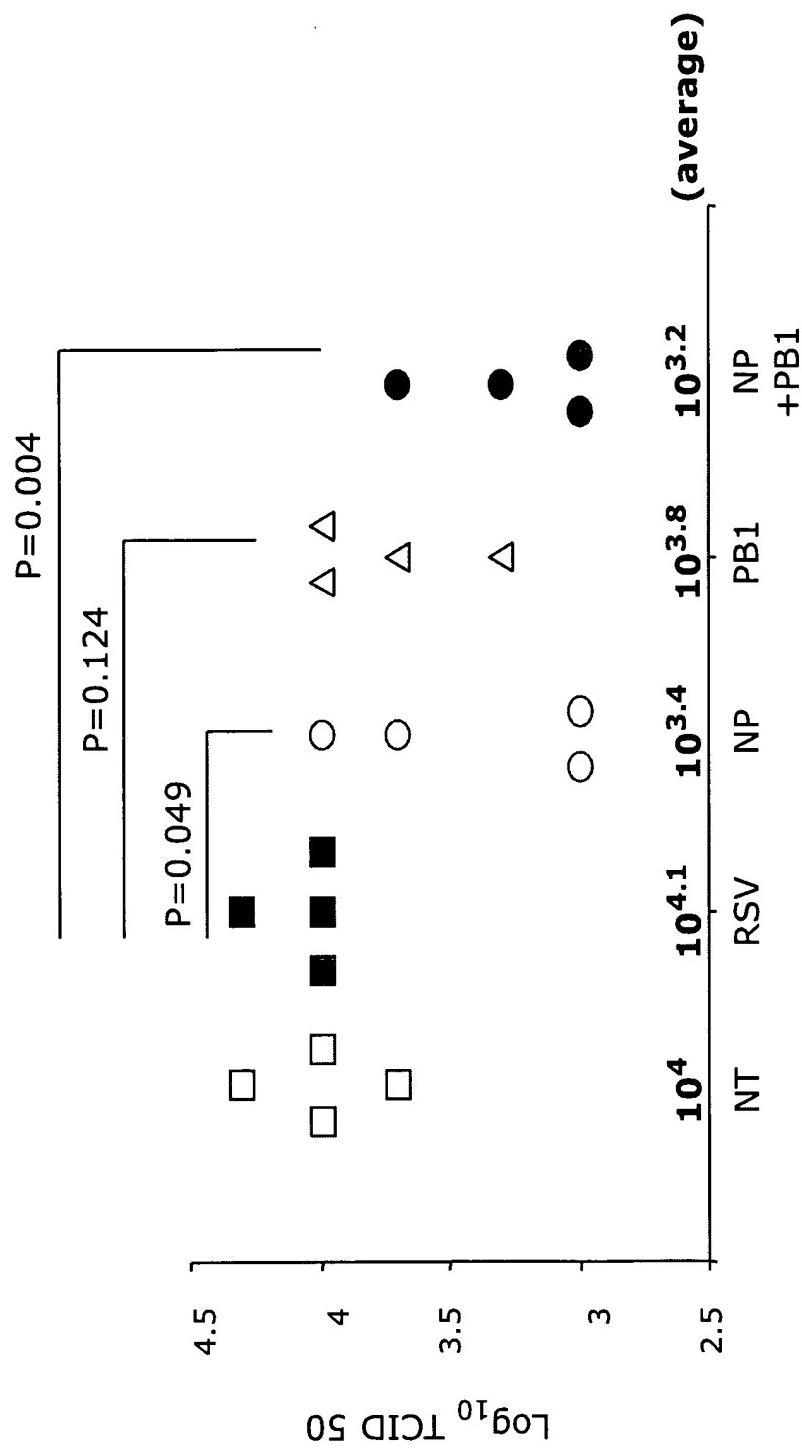


FIG. 12

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Electrophoretic retardation of siRNA with poly-L-lysine

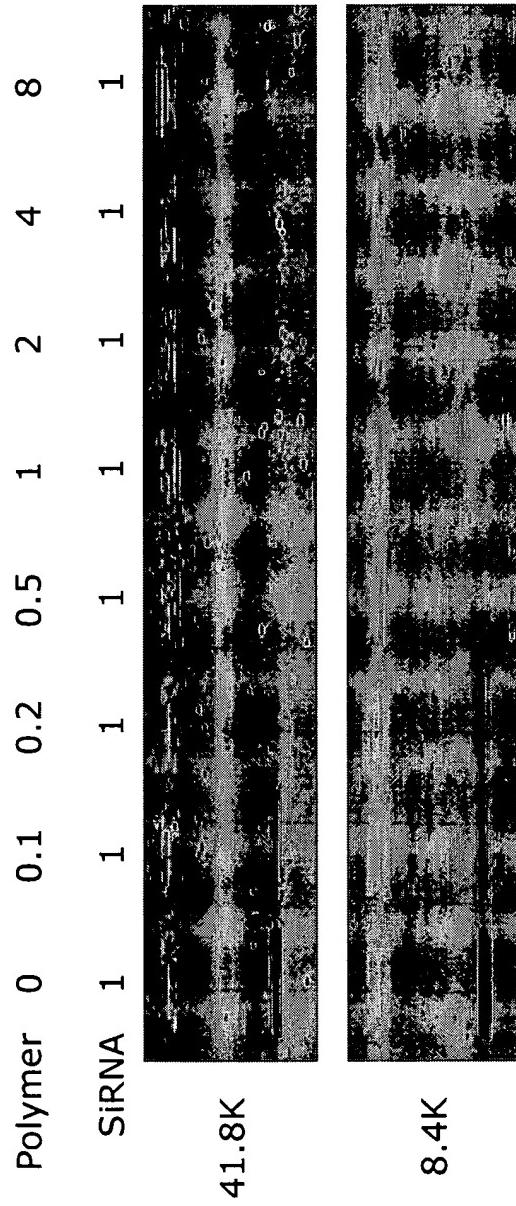


FIG. 13A

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Electrophoretic retardation of siRNA with poly-L-arginine

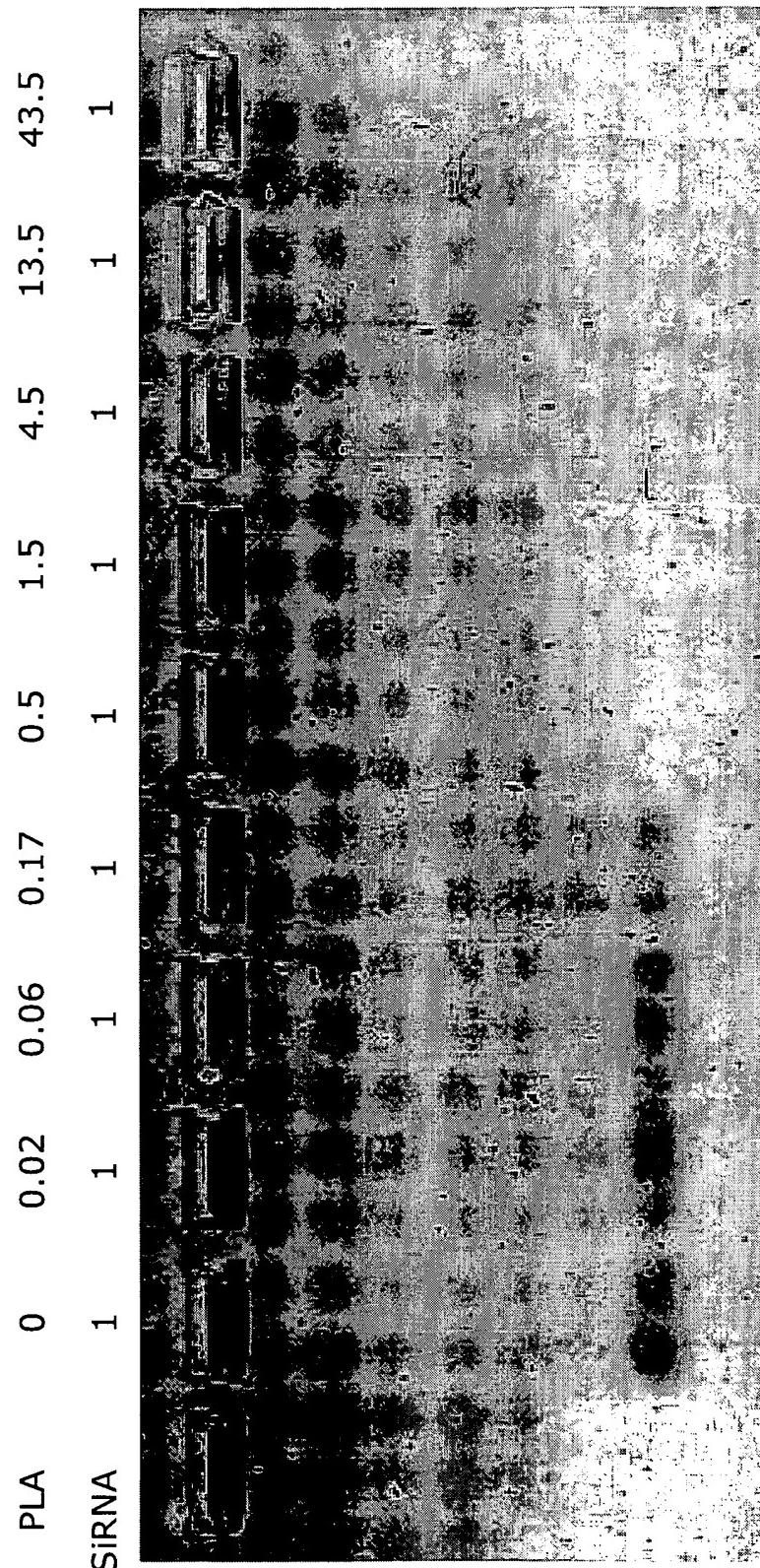


FIG. 13B

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### Comparison of poly-L-lysine with different molecular weights

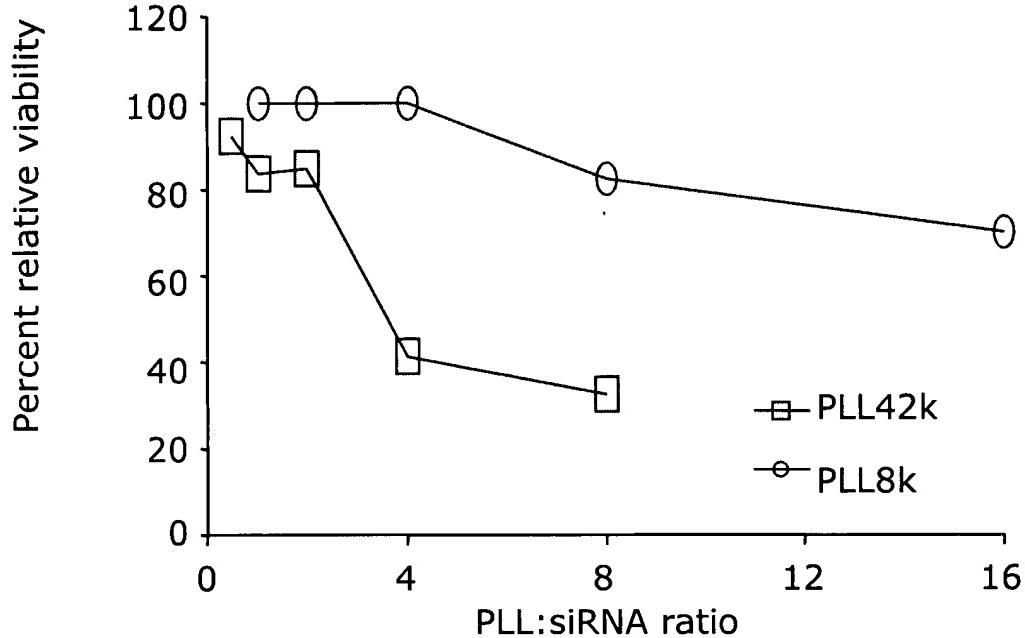


FIG. 14A

### In vitro cytotoxicity of poly-L-arginine

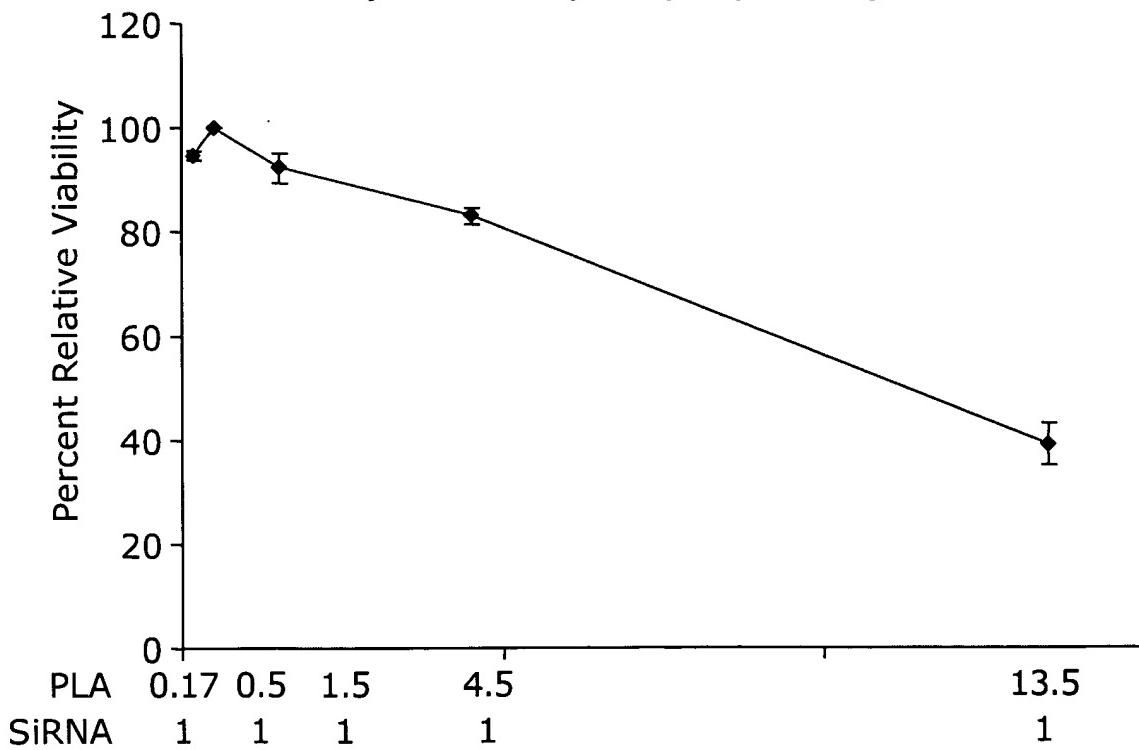
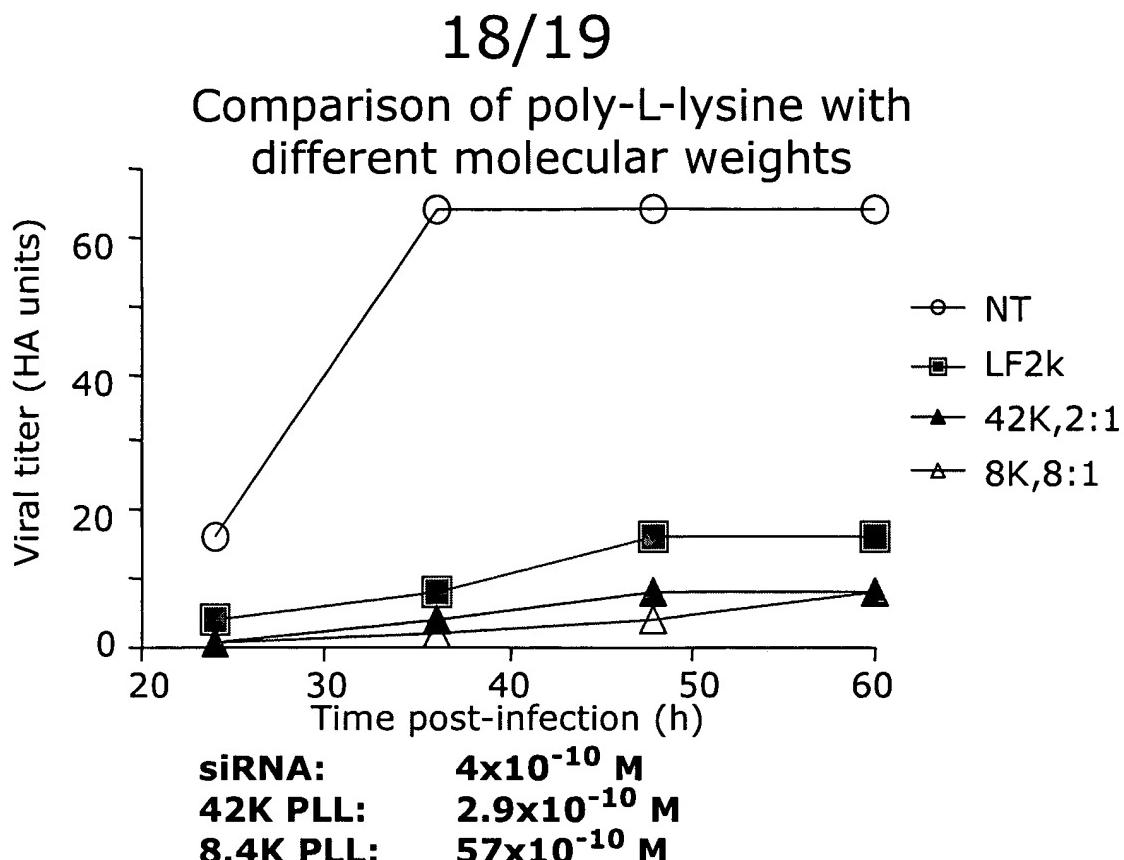
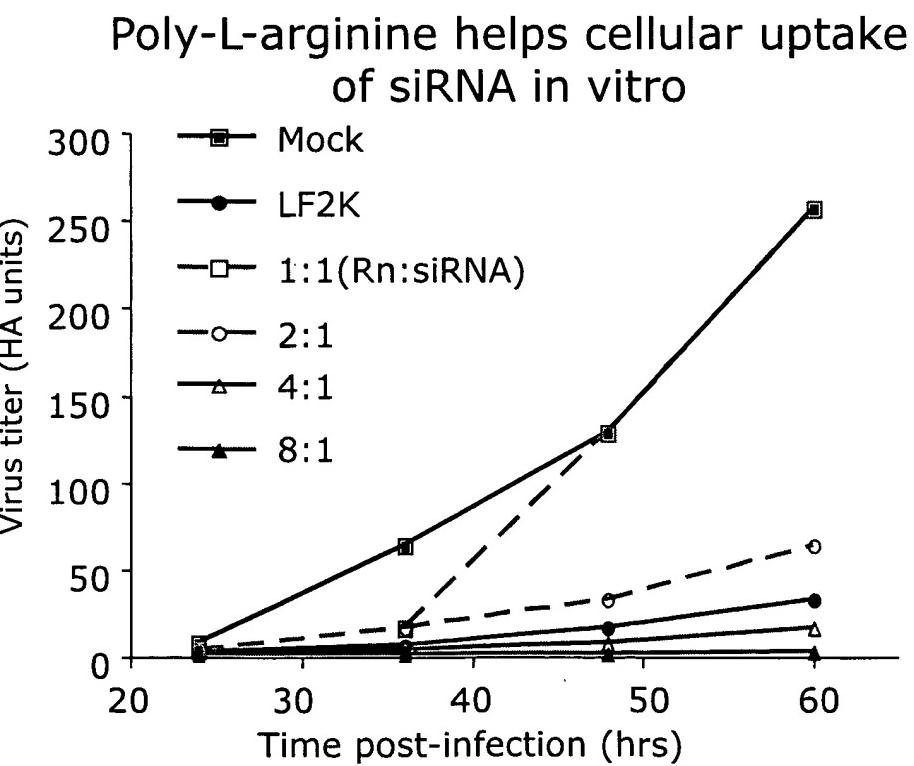


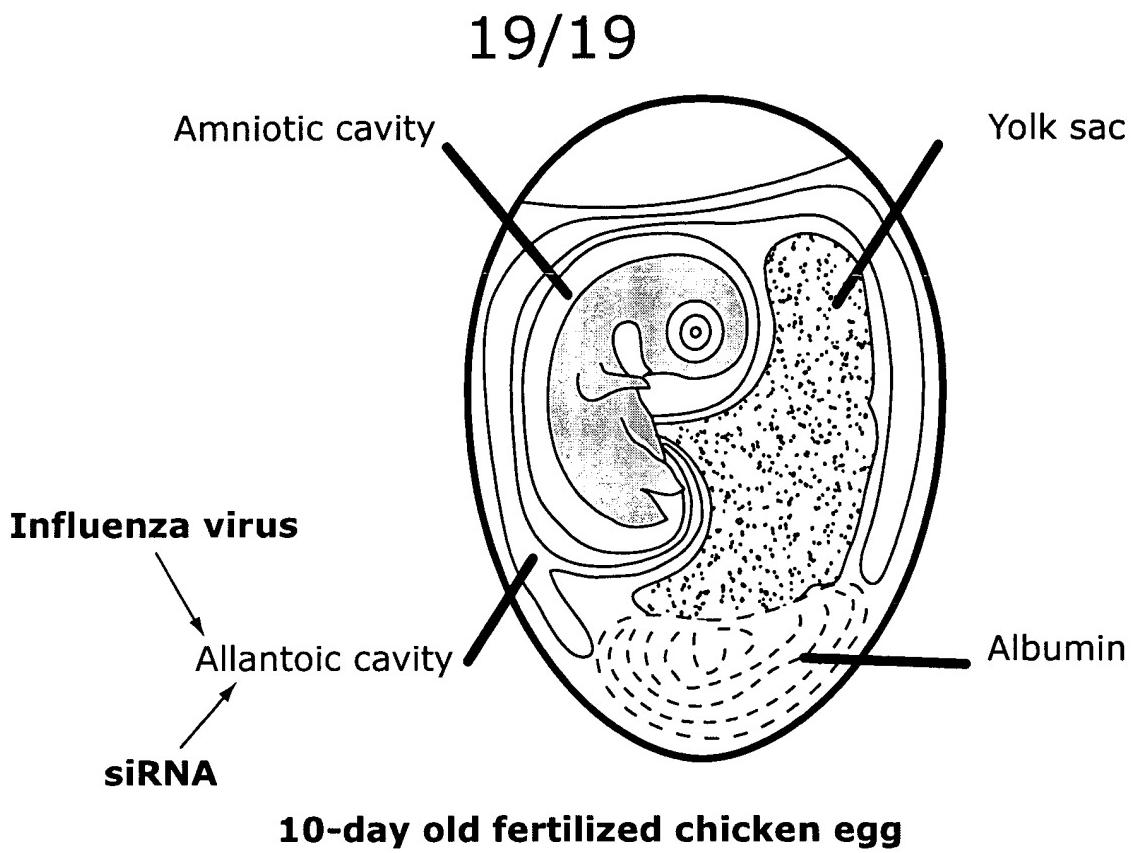
FIG. 14B



**FIG. 15A**

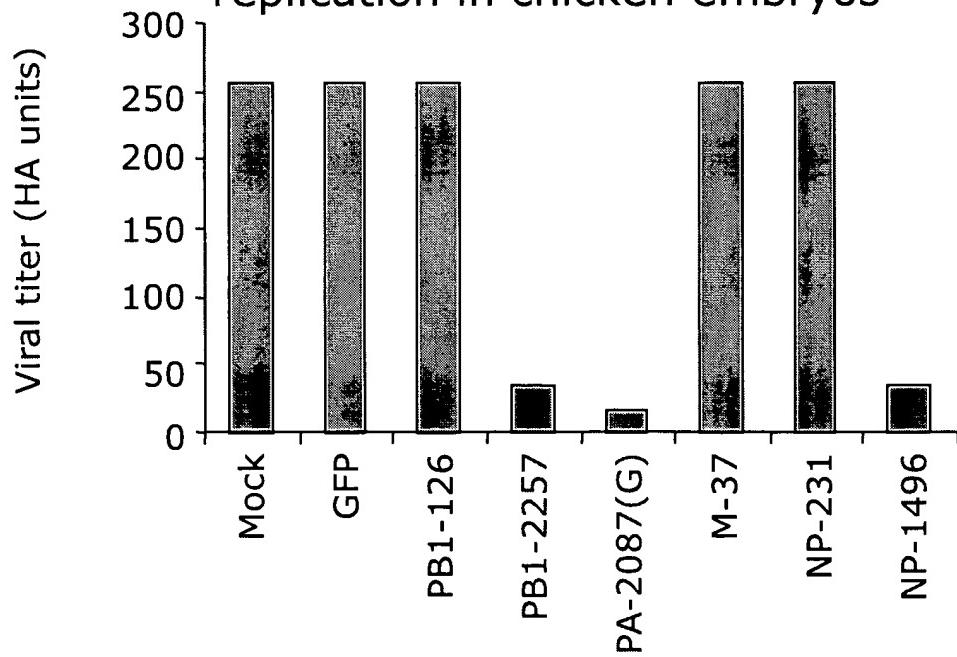


**FIG. 15B**



**FIG. 16A**

The inhibition of influenza A virus replication in chicken embryos



**FIG. 16B**